

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/957,709DATE: 06/05/98
TIME: 16:04:55

INPUT SET: S26380.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

ENTERED
8-23-99

SEQUENCE LISTING

- 1
2
3 (1) General Information:
4
5 (i) APPLICANT: HOGREFE, Holly
6 HANSEN, Connie J
7
8 (ii) TITLE OF INVENTION: Polymerase Enhancing Factor (PEF)
9 Extracts, PEF Protein Complexes, Isolated PEF Proteins,
10 and Methods for Purifying and Identifying Them
11
12 (iii) NUMBER OF SEQUENCES: 89
13
14 (iv) CORRESPONDENCE ADDRESS:
15 (A) ADDRESSEE: David J. Kulik, Evenson, McKeown, Edwards &
16 Lenahan P.L.L.C.
17 (B) STREET: 1200 G Street, NW Suite 700
18 (C) CITY: Washington
19 (D) STATE: DC
20 (F) ZIP: 20005
21
22 (v) COMPUTER READABLE FORM:
23 (A) MEDIUM TYPE: Floppy disk
24 (B) COMPUTER: IBM PC compatible
25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
27
28 (vi) CURRENT APPLICATION DATA:
29 (A) APPLICATION NUMBER:
30 (B) FILING DATE: 24-OCT-1997
31 (C) CLASSIFICATION:
32
33 (viii) ATTORNEY/AGENT INFORMATION:
34 (A) NAME: KULIK, David J
35 (B) REGISTRATION NUMBER: 36,576
36 (C) REFERENCE/DOCKET NUMBER: 1486/43163cp
37
38 (ix) TELECOMMUNICATION INFORMATION:
39 (A) TELEPHONE: 202 628-8800
40 (B) TELEFAX: 202 628-8844
41
42 (2) INFORMATION FOR SEQ ID NO:1:
43
44 (i) SEQUENCE CHARACTERISTICS:
45 (A) LENGTH: 15 amino acids
46 (B) TYPE: amino acid

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47 (C) STRANDEDNESS: unknown
48 (D) TOPOLOGY: unknown
49
50 (ii) MOLECULE TYPE: peptide
51
52 (iii) HYPOTHETICAL: NO
53
54 (iv) ANTI-SENSE: NO
55
56 (v) FRAGMENT TYPE: N-terminal
57
58
59
60 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
61
62 Xaa Xaa Leu His His Val Lys Leu Ile Tyr Ala Thr Xaa Xaa Xaa
63 1 5 10 15
64
65 (2) INFORMATION FOR SEQ ID NO:2:
66
67 (i) SEQUENCE CHARACTERISTICS:
68 (A) LENGTH: 15 amino acids
69 (B) TYPE: amino acid
70 (D) TOPOLOGY: unknown
71
72 (ii) MOLECULE TYPE: peptide
73
74 (iii) HYPOTHETICAL: NO
75
76 (iv) ANTI-SENSE: NO
77
78 (v) FRAGMENT TYPE: N-terminal
79
80
81
82 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
83
84 Xaa Xaa Xaa Pro Asp Trp Xaa Xaa Arg Xaa Glu Xaa Leu Xaa Xaa
85 1 5 10 15
86
87 (2) INFORMATION FOR SEQ ID NO:3:
88
89 (i) SEQUENCE CHARACTERISTICS:
90 (A) LENGTH: 35 amino acids
91 (B) TYPE: amino acid
92 (D) TOPOLOGY: unknown
93
94 (ii) MOLECULE TYPE: peptide
95
96 (iii) HYPOTHETICAL: NO
97
98 (iv) ANTI-SENSE: NO
99

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100 (v) FRAGMENT TYPE: N-terminal
101
102
103
104 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
105
106 Xaa Leu Leu His His Val Lys Leu Ile Tyr Ala Thr Lys Xaa Arg Xaa
107 1 5 10 15
108
109 Leu Val Gly Lys Xaa Ile Val Leu Ala Ile Pro Gly Xaa Xaa Ala Xaa
110 20 25 30
111
112 Xaa Xaa Xaa
113 35
114
115 (2) INFORMATION FOR SEQ ID NO:4:
116
117 (i) SEQUENCE CHARACTERISTICS:
118 (A) LENGTH: 18 amino acids
119 (B) TYPE: amino acid
120 (D) TOPOLOGY: unknown
121
122 (ii) MOLECULE TYPE: peptide
123
124 (iii) HYPOTHETICAL: NO
125
126 (iv) ANTI-SENSE: NO
127
128 (v) FRAGMENT TYPE: N-terminal
129
130
131
132 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
133
134 Xaa Xaa Xaa Pro Asp Trp Xaa Xaa Arg Xaa Glu Xaa Leu Xaa Glu Xaa
135 1 5 10 15
136
137 Xaa Xaa
138
139
140 (2) INFORMATION FOR SEQ ID NO:5:
141
142 (i) SEQUENCE CHARACTERISTICS:
143 (A) LENGTH: 17 amino acids
144 (B) TYPE: amino acid
145 (D) TOPOLOGY: unknown
146
147 (ii) MOLECULE TYPE: peptide
148
149 (iii) HYPOTHETICAL: NO
150
151 (iv) ANTI-SENSE: NO
152

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153 (v) FRAGMENT TYPE: internal

154

155

156

157 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

158

159 Xaa Tyr Asp Ala Val Ile Met Ala Ala Val Val Asp Phe Arg Pro

160 1 5 10 15

161

162 Lys

163

164

165 (2) INFORMATION FOR SEQ ID NO:6:

166

167 (i) SEQUENCE CHARACTERISTICS:

168 (A) LENGTH: 24 amino acids

169 (B) TYPE: amino acid

170 (D) TOPOLOGY: unknown

171

172 (ii) MOLECULE TYPE: peptide

173

174 (iii) HYPOTHETICAL: NO

175

176 (iv) ANTI-SENSE: NO

177

178 (v) FRAGMENT TYPE: internal

179

180

181

182 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

183

184 Ala Asp Leu Val Val Gly Asn Thr Leu Glu Ala Phe Gly Ser Glu Glu

185 1 5 10 15

186

187 Asn Gln Val Val Leu Ile Gly Arg

188 20

189

190 (2) INFORMATION FOR SEQ ID NO:7:

191

192 (i) SEQUENCE CHARACTERISTICS:

193 (A) LENGTH: 17 amino acids

194 (B) TYPE: amino acid

195 (D) TOPOLOGY: unknown

196

197 (ii) MOLECULE TYPE: peptide

198

199 (iii) HYPOTHETICAL: NO

200

201 (iv) ANTI-SENSE: NO

202

203 (v) FRAGMENT TYPE: N-terminal

204

205

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206
207 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
208
209 Gly Ala Met Leu His His Val Lys Leu Ile Tyr Ala Xaa Lys Leu Arg
210 1 5 10 15
211
212 Lys
213
214
215 (2) INFORMATION FOR SEQ ID NO:8:
216
217 (i) SEQUENCE CHARACTERISTICS:
218 (A) LENGTH: 18 amino acids
219 (B) TYPE: amino acid
220 (D) TOPOLOGY: unknown
221
222 (ii) MOLECULE TYPE: peptide
223
224 (iii) HYPOTHETICAL: NO
225
226 (iv) ANTI-SENSE: NO
227
228 (v) FRAGMENT TYPE: N-terminal
229
230
231
232 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
233
234 Gly Ala Met Leu His His Val Lys Leu Ile Tyr Ala Thr Lys Xaa Xaa
235 1 5 10 15
236
237 Arg Lys
238
239
240 (2) INFORMATION FOR SEQ ID NO:9:
241
242 (i) SEQUENCE CHARACTERISTICS:
243 (A) LENGTH: 13 amino acids
244 (B) TYPE: amino acid
245 (D) TOPOLOGY: unknown
246
247 (ii) MOLECULE TYPE: peptide
248
249 (iii) HYPOTHETICAL: NO
250
251 (iv) ANTI-SENSE: NO
252
253 (v) FRAGMENT TYPE: N-terminal
254
255
256
257 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
258

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SEQUENCE VERIFICATION REPORT
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Original Text